

Attorney Docket No. DYOUP0283US

PATENT (OUS)

**COMBINED DECLARATION AND POWER OF ATTORNEY**  
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT)

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Title: OPTICALLY INDUCED REFRACTIVE INDEX MODIFICATION IN FERROELECTRIC  
OPTICAL

the specification of which

☐ is attached hereto, or

☒ was filed as United States Application or  
PCT International Application (give  
Express Mail label number and deposit  
date if Application number not yet known):

Application No.: PCT/GB2003/003242  
(Express Mail Label No.)

Filing Date: July 21, 2003  
(Deposit Date)

Amended on (if applicable):

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56(a).

**PRIORITY CLAIM**

I hereby claim priority benefits under Title 35, United States Code, §119 of (i) any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed; and (ii) any United States provisional application(s) that is/are listed below.

☐ no such applications have been filed.

☒ such applications have been filed as follows.

**EARLIEST FOREIGN/PROVISIONAL APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS**  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED	
			Yes	No
GB	0217047.0	23 July 2002	X	

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS**  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**BEST AVAILABLE COPY**

POWER OF ATTORNEY

As a ~~named inventor~~, I hereby appoint the attorneys of Renner, Otto, Boisselle & Sklar, LLP associated with Customer Number 23908 to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

The undersigned to this declaration and power of attorney hereby authorizes the U.S. attorney(s) named herein to accept and follow instructions from

Authorized representative: D. Young & Co., Briton House, Briton Street, Southampton SO14 3EB,  
UNITED KINGDOM

as to any actions to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney(s) and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorney(s) will be so notified by the undersigned.

Send Correspondence To

Don W. Bulson, Esq.  
Renner, Otto, Boisselle & Sklar, LLP  
1621 Euclid Ave., 19th Floor  
Cleveland, Ohio 44115

Direct Telephone Calls To:

(name and telephone number)

Don W. Bulson

(216) 621-1113

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1-00

Full Name of Sole or First Inventor:		<u>Robert William Eason</u>	
Inventor's signature:	<u>Robert W Eason</u>	Date:	<u>1/02/05</u>
Residence: (City & State/Country):	<u>Hampshire, United Kingdom GBX</u>	Citizenship:	<u>GB</u>
Post Office Address:	c/o Centre of Enterprise & Innovation University of Southampton Highfield, Southampton Hampshire SO17 1BJ UNITED KINGDOM		

2-00

Full Name of Additional Joint Inventor (if any):		<u>Sakellaris Mailis</u>	
Inventor's signature:		Date:	<u>✓</u>
Residence: (City & State/Country):	<u>Hampshire, United Kingdom GBX</u>	Citizenship:	<u>GR</u>
Post Office Address:	c/o Centre of Enterprise & Innovation University of Southampton Highfield, Southampton Hampshire SO17 1BJ UNITED KINGDOM		

CHECK FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH  
FORM A PART OF THIS DECLARATION

- [X] Signature for additional joint inventors.  
[ ] Added page to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (CIP) application.  
[ ] This declaration ends with this page.

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

300

<b>Full Name of Additional Joint Inventor (if any):</b> <u>Christos Riziotis</u>			
Inventor's signature:		Date:	
Residence: (City & State/Country):	<u>Hampshire, United Kingdom</u>	Citizenship:	<u>GR</u>
Post Office Address:	<u>c/o Centre of Enterprise &amp; Innovation</u> <u>University of Southampton</u> <u>Highfield, Southampton</u> <u>Hampshire SO17 1BJ</u> <u>UNITED KINGDOM</u>		

<b>Full Name of Additional Joint Inventor (if any):</b>			
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RENNER, OTTO, BOISSELLE &amp; SKLAR

Attorney Docket No. DYOUN0283US

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
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<b>Full Name of Additional Joint Inventor (if any):</b>		Christos Riziotis	
Inventor's signature:		Date:	
Residence: (City & State/Country):	Hampshire, United Kingdom	Citizenship:	GR
Post Office Address:	c/o Centre of Enterprise & Innovation University of Southampton Highfield, Southampton Hampshire SO17 1BJ UNITED KINGDOM		

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RENNER, OTTO, BOISSELLE & SKLAR

Attorney Docket No. DYOUP0283US

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As a named inventor, I hereby appoint the attorneys of Renner, Otto, Boisselle & Sklar, LLP associated with **Customer Number 23908** to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

The undersigned to this declaration and power of attorney hereby authorizes the U.S. attorney(s) named herein to accept and follow instructions from

Authorized representative: D. Young & Co., Briton House, Briton Street, Southampton SO14 3EB,  
UNITED KINGDOM

as to any actions to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney(s) and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorney(s) will be so notified by the undersigned.

**Send Correspondence To**

Don W. Bulson, Esq.  
Renner, Otto, Boisselle & Sklar, LLP  
1621 Euclid Ave., 19th Floor  
Cleveland, Ohio 44115

**Direct Telephone Calls To:**

(name and telephone number)

Don W. Bulson

(216) 621-1113

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

<b>Full Name of Sole or First Inventor:</b>		Robert William Eason	
Inventor's signature:		Date:	
Residence: (City & State/Country):	Hampshire, United Kingdom	Citizenship:	GB
Post Office Address:	c/o Centre of Enterprise & Innovation University of Southampton Highfield, Southampton Hampshire SO17 1BJ UNITED KINGDOM		


<b>Full Name of Additional Joint Inventor (if any):</b>		Sakellaris Mallis	
Inventor's signature:		Date:	
Residence: (City & State/Country):	Hampshire, United Kingdom	Citizenship:	GR
Post Office Address:	c/o Centre of Enterprise & Innovation University of Southampton Highfield, Southampton Hampshire SO17 1BJ UNITED KINGDOM		

**CHECK FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH  
FORM A PART OF THIS DECLARATION**

- ☒ Signature for additional joint inventors.  
☐ Added page to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (CIP) application.  
☐ This declaration ends with this page.



**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

<b>Full Name of Additional Joint Inventor (if any):</b>		Christos Riziotis	
Inventor's signature:		Date:	10-Feb-2005
Residence: (City & State/Country):	Hampshire, United Kingdom	Citizenship:	GR
Post Office Address:	c/o Centre of Enterprise & Innovation University of Southampton Highfield, Southampton Hampshire SO17 1BJ UNITED KINGDOM		

<b>Full Name of Additional Joint Inventor (if any):</b>			
Inventor's signature:		Date:	
Residence: (City & State/Country):		Citizenship:	
Post Office Address:			

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Residence: (City & State/Country):		Citizenship:	
Post Office Address:			

<b>Full Name of Additional Joint Inventor (if any):</b>			
Inventor's signature:		Date:	
Residence: (City & State/Country):		Citizenship:	
Post Office Address:			

101522042  
PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT application of:

Applicants: Robert William Eason et al.  
Serial No: PCT/GB2003/003242  
Filed: July 21, 2003  
Title: OPTICALLY INDUCED REFRACTIVE INDEX MODIFICATION IN FERROELECTRIC OPTICAL

Art Unit:  
Examiner:

Docket No. DYOUN0283US

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**  
(REVOCATION OF PRIOR POWERS AND EXCLUSION OF INVENTIVE ENTITY)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The assignee of the entire right, title and interest of the above identified patent application, by virtue of an assignment, [X] copy attached ☐ recorded in the Patent and Trademark Office at Reel <REEL>, Frame <FRAME>, hereby revokes all powers of attorney previously given and hereby appoints the attorneys of Renner, Otto, Boisselle & Sklar, LLP associated with **Customer Number 23908** to prosecute and transact all business in the Patent and Trademark Office connected with the above referenced application and to the exclusion of the inventive entity or any prior assignees.

Send correspondence and direct telephone calls to:

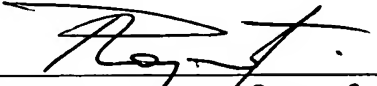
Don W. Bulson, Esq.  
RENNER, OTTO, BOISSELLE & SKLAR, LLP  
1621 Euclid Avenue, 19th Floor  
Cleveland, Ohio 44115  
Tel: 216-621-1113  
Fax: 216-621-6165

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified below.

The undersigned further declares that he is empowered to act on behalf of the assignee, and that all statements made herein of his own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

University of Southampton

Date: 81/01/05 -

By:   
Name: M. L. POYAERT  
Title: DEPUTY DIRECTOR C&T

Attorney Docket No. DYOUP0283US

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

NAME(S) AND  
ADDRESS(ES) OF  
INVENTOR(S)

Robert William Eason  
c/o Centre of Enterprise & Innovation  
University of Southampton  
Highfield, Southampton  
Hampshire SO17 1BJ  
UNITED KINGDOM

Christos Riziotis  
c/o Centre of Enterprise & Innovation  
University of Southampton  
Highfield, Southampton  
Hampshire SO17 1BJ  
UNITED KINGDOM

Sakellaris Mailis  
c/o Centre of Enterprise & Innovation  
University of Southampton  
Highfield, Southampton  
Hampshire SO17 1BJ  
UNITED KINGDOM

(hereinafter referred to as ASSIGNOR), have invented a certain invention entitled:

TITLE OF  
INVENTION

OPTICALLY INDUCED REFRACTIVE INDEX MODIFICATION IN  
FERROELECTRIC OPTICAL

for which application for Letters Patent of the United States has been:  
[authorization is hereby given for any attorney of record in the subject patent application to insert below the  
application number and filing date information for this application when that information becomes available]

PARTICULARS OF  
APPLICATION

☐ executed concurrently herewith,  
☐ filed under U.S. Application No. \_\_\_\_\_ on \_\_\_\_\_,  
☒ filed under PCT Application No. PCT/GB2003/003242 on July 21, 2003, or  
☐ filed under Express Mail Label No. \_\_\_\_\_ on \_\_\_\_\_.

WHEREAS:

NAME, STATE OF  
INCORPORATION  
AND ADDRESS OF  
ASSIGNEE

University of Southampton  
Highfield, Southampton  
Hampshire SO17 1BJ  
UNITED KINGDOM

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in,  
to and under said invention and the United States Letters Patent to be obtained  
therefor.

Now, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for One  
Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby  
acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its  
successors and assigns, the entire right, title and interest to said invention so far as  
concerns the United States and the Territories and Possessions thereof, including  
the right to claim priority, and said application and all Letters Patent of the United  
States to be obtained on said application or any continuation, division, renewal,  
substitute or reissue thereof for the full term or terms for which the same may be  
granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance  
has been or will be made or entered into which would conflict with this assignment  
and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

FULL NAME(S) OF  
INVENTORS(S)

Date 01/02/05

Robert W Eason  
Robert William Eason

Date \_\_\_\_\_

\_\_\_\_\_  
Sakellaris Mailis

Date \_\_\_\_\_

\_\_\_\_\_  
Christos Riziotis

Z:\SEC152\152\IDWB\DYOUN\IP0283\IP0283US.ASSN.wpd (A-OUS-4.A4) (1/99)

Attorney Docket No. DYOUP0283US

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

NAME(S) AND  
ADDRESS(ES) OF  
INVENTOR(S)

Robert William Eason  
c/o Centre of Enterprise & Innovation  
University of Southampton  
Highfield, Southampton  
Hampshire SO17 1BJ  
UNITED KINGDOM

Christos Riziotis  
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ASSIGNEE

University of Southampton  
Highfield, Southampton  
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FULL NAME(S) OF  
INVENTOR(S)

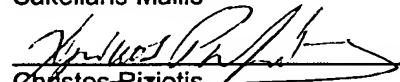
Date \_\_\_\_\_

Robert William Eason

Date \_\_\_\_\_

Sakellaris Mailis

Date 10-Feb-2005

  
Christos Riziotis

Z:\SEC152\152\DWB\DYOUN\PP0283\IP0283US.ASSN.wpd (A-OUS-4.A4) (1/69)

Attorney Docket No. DYOUP0283US

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NAME(S) AND  
ADDRESS(ES) OF  
INVENTOR(S)

Robert William Eason  
c/o Centre of Enterprise & Innovation  
University of Southampton  
Highfield, Southampton  
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UNITED KINGDOM

Christos Riziotis  
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the right to claim priority, and said application and all Letters Patent of the United  
States to be obtained on said application or any continuation, division, renewal,  
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FULL NAME(S) OF  
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Date \_\_\_\_\_

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Date 6/04/05

  
Sakellaris Mailis

Date \_\_\_\_\_

Christos Riziotis

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